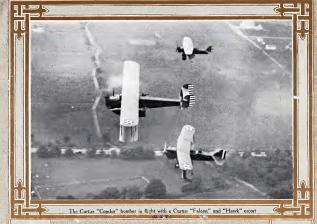
AVATION

The Oldest American Aeronautical Magazine

JULY 25, 1927

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SPECIAL FEATURES

CURTISS BUILDS LARGEST ALL METAL BOMBER
THE STOUT TWELVE PASSENGER AIR TRANSPORT
DESCRIPTIVE NOTES ON THE FORD TOUR PLANES

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matter As to March 8, 2879

NUMBER 4

July 25, 1920



EDDIE STINSON Stinson Monoplane

Wright Whirlwind Engine



R. G. PAGE **Hamilton Monoplane** Wright Whirlwind Engine



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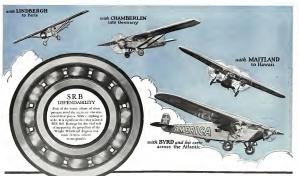
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Difference factors of Sufery, psecided in all parts of the "Cossist" exceed even the very right malitary requirements for this type place. § Control surfaces are all of simple sites, giving absolute and assumements control sit all species. § Landing goar, cookipt surragement, etc. sire all built too clinicate possibility of injury in proor or rough busilings.

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July 25, 1927

1928 and this business of

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Airplane Merchandising Job Wanted

EVERY styless manufacture and now yet me that their section has releved a year ope. The old productor methods and the old selling methods Asiapo a pre se salutoy. Buines autoria mor le preval-delais, prespo, menticalista abec mor le He is country of entirency planning the design of on This was bee decided for every of our day helder the profes or charge of sighter selected distributes

Mr. X.

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He represent spation has the has hed openeds of the reast solvening and mechanisms reported. He

Lot Angeles, Cal.

Mr. X. saw the agrees, will being a prouge only dense

Buttors and Editorial Offices: -250 W. 5719 Str., New Yorks Lus D Owner Publication Office ... Horses son N. Y. Legros D. Carrows

Vol. XXIII With the Editor Index to Contents

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count may Notice Force class the slope providing. States to an extended matter are \$1, 1977, or the first order of Eastern, 2 T, was at Copyright 1927 by Assisting Publishing Corp.

In the early down of the Woold

Cross Norma

L D. Warre Transac

War the opposing stress had as remirds being fired upon The were used only for observation and contact work. Then, anwhen a Resease must went about absolute fighter, but it was the





VA XXIII IULY 25, 1927

Passenger Comfort

A coverable who down a certain associate of neval taxo details which might and greatly to the comfort of the Of owner a closed entire plane to ideal for long crosscountry traps but most serial service operators can not afford to own such a place. Been in an open place deliver and a vaters and see green. Where the fight is en too long a time without food. Warm clothing should be furnished and the reckpit should be immeded for chicks which come unnecessary drafts. When the of from rather than realons the flight non-day to

Airplanes Supplement Railroads

A 1R LINE and up sorries managements to the coreby the Savelah reclear administration in establishing a combination ruleur and arrolane possenser schedule road corner the combination schedule in its time table and tells sir trip tickets at its stations in connection With the contract or wall frees of the United States stratebler arrows the conflaced goat and wart as well so reach and neath, it should be resultie to neighbor sorries that should supplement in a very effective man-

tions in this country sast, new territory that, whole oped lete important fields of operation in contraction

The Poetry of Flying

THE REST OF SHORT IS All the world oute could efficiency will perhans be greater than the time which

Make Forced Landing in Trees on Island of Molobui When Fuel Supply Gives Out

First to water an exact declination of the Army State

and the say he sayind over the narrowedness country for alls. that they were going to lead in the water, and to send bely tade and then not out out on his mentady occurs. The first radio at lone. Then for four hours and one half no news was re-

IE EXCOPES of American long distance from continues. . . and a second one came through wheel an lower later. Although E EXCHANGE A MATERIAN CONTROL DETAILS AND A PRODUCT WAS THE WAY THE PARTY OF THE PA received by various stations talking of the plane's peopless



DEACTIVE WHAT YOU PREACH ... USE THE AIR MAIL

makely, on the continue shares of Molekey, techny of the In commenting on the trip the floor are progried to have



Enselve and Enath shalling bands below the start of their Ends they would had will out knowing whather their calls had been Fug was recognized for element the author flight and the

Smith and Broote are Ex-Service Men Both Brant L. Smith and Empry B. Brants, Collifornia to Howels fligs, are encourage men. During the Woold Was Franti L Swith was born in Boso, Nov., in 1881 After

the off-field colleges at San Prescotts as a decial student. His first training to relation was at the stup ground abod, in Turkeley. He was transferred to Ecokwell Field, months of the war he served as an austractor at March Field, 11 the Army Reserve Copps, and in 1876 became a pilot in reary ago. When he was fifteen he want to sea as an guille

thur the war he entered the newless of the Inthuise. Lies Fronte want to Colffornia in 1992 and calculate the condex He is the suffice of a testhook on noverties, "Proched Naviralian," and at recovered as an authority on the unbook

Colonel Lindbergh's Biograph The Biograph of Gol. Charles A. Landbrooth's sornel tone

Levin" in sa follows. July 26 to 35-Harderl, Providence, Sector, Portland, Meles; Concord, N. H.; Springfield, Vi., Albany, Bulleto, August 1 to 25-Cleveland, Pétalough, Wheeling, Device,

August 16 to H.-The Tri-Cilies-Makes, Developers, and Sentration 1 to 15.-Chousea, Soit Lake City, Princ. Stern. Daller, Olfshous City and Table October 1 to 15-Lattie Sock, Memphis, Hashville, Barmen-October 16 to 26-Estimous, Atlanta City, Washinston,

Official Detroit Balloon Race Figures The efficiel distance forces of the first four antique to class

Free, Breed A. U. Reconners, Debut Z. 272 at Scound, E. J. IIII and A. G. Schlanger, Debut 3, 366 at Feerb. Walter W Merice, Goodpaar IV, 160 a

Club, woe a each nelse of 5500 and persenter of The De troit News Traphy, which is reduct at \$1,000, for our year

NATIONAL AIR RACES, SPOKANE, WASH, SEPT. 28, 24

Thirteen Planes Finish the Third Ford Reliability Tour

Eddie Stinson Wins First Place, R. G. Page Second and H. C. Manumert Third

THE THESE Feel Scientists They coled at Detroit, under a temporary room so that he not of its Detroit on aloch steried one was widelyows for personal reacons, while | select down and uses those heary hirest over, better struck

after the storm had chetal.



PRACTICE WHAT YOU PREACH ... USE THE AIR MAIL

aftern and the the tree being year out as interested to sented to Edde States by Soled Ford and speeches were



On the following day the rains one place for next year's Washing Manuslane, Randolph G. Pere, pdpt, 7667-5 Street December Street, Lancard S. Pla, 1904, 6360





The Plansitus oil sampl measures which placed second in the First Tree-NATIONAL ARE RACES, SPOKANE, WASH, SEPT. 23, 24

It should be remembered that no read formula one wire the

the closest of back and the skull of a salet is handker a

more difficult to knowle as care of a favori broken. This reign which here a high performance had come a light head belong their lack of land carrying ability. The is a number

end so far as he did. Although the plants were only to

acceptant year 65,000 we and encoderms the conditions maker

In season weather conditions on the trip were good and 2 m was of such length that at could not be taken lightly. of the tene. Considering that the course was over 5,000 mi. The served of the tour at many of the towar did not bring

there were here beginned due to prouble with the gas liest. Neve more time to descondants their places at the imperient nad two doe to oberings of finel. There were not leadings content. Both the previous tones were laid in the full end

Lab to right. Wilson P. MayGraden, manner accounty all armaness by accountric Fibri F. Foot, door of the years; Bible Section, Water of the Third Science Education Trees, and Friendship J. Hayron, printees at the Dayson Stand of Communication. PRACTICE WHAT YOU PREACH -- USE THE AIR MAIL



Manager of Spokane Races Files to New York

named air derlar reducte that transmitted by the papers con as much to the fagure of connected averton, in liber was as trans. Atlantic flights. I hape that the velice will review As effort is also being unde to have Colonal Levelbrush

Fokker Monoplane Bomber for Army Use

in bounce, after too tights one bouncing tools. It is being for bounker will be engaged with two Posts and Whateve The homber will be expedde of hitner a total head of higher

Falsely Represent Gates Flying Circus

NATIONAL AIR RACES, SPOKANE, WASH, SEPT. 21, 24

Curtiss Builds Largest All Metal Bomber

The "Condor", Twin Engine Bomber Gives Fine Performance Before Army Air Carps Officials at Mitchel Field, L. L.

WILLY 25 classed in he for imput all metal houses due to the ress. The fire of all three genners can be easily place and Motor Co of the are Cep, L. J. New York. The to approach.

The print is located in the conventional position in the on easy the bomber's position, and you were. As the Thus the Conder, in addition to its pressure function, to

Weight Empty is 9029 Lb.

It is of leterest to note that the went't supr't was 9609 th



PRACTICE WHAT YOU PREACH ... THE THE AIR MAIL



First year of the Public Physics. Army harder around with you Cultur O'Figur captur and six Lores markles gam.

The fundament of developing taking except in the kirkly based Custon-Food countiless over high. On the second, the

There is no slegge, or corrupted, the upper was; being first

Stubbley New Affected by Breath Load Rebind cash sugars, on the mostle, is a find tenk of 200 Tast, along wife the books, disordy in her with the center of gravity. In this way the longitudinal similary of the where is not affected by a difference in the feel or bomb poses or sun addeded by a congressor or use field of botto-lend correlal. In addition to these two lands, there is a As both ancience are fed from this one text, a deal find system was worked and modeling either man forth tends to be used. Dr meens of dome values all train on he outsided in 60 seconds. The first gauge on the gravity tank in orbeids, while those on the main tank Above such ringins is a radiator, northy sewird to missions the registers. These are shufters in fixed of the redutay which, when closed, give the radiator a stream-less form. tone each are morrised with hedgestic wheel broken, develfor the managembilly on the second. The sheet abovelaw utilt, on both wheels and tail skill, is a combination also

witch way be varied as as other metal propellers

Vice of sands with marking gase on Sand Standard Herry East from the talk of the furrings. An both the housestal and

vertical surfaces are double, a street accesses the records: surfaces. The suprement of the reality street is not acted for there are two of each, and so the tail, here a travel of sixlears. An the lower abreeless upon person through the fire-

NATIONAL ARE BACKS SECRAND WASH SEPT OF OR

on allest pourties when fixing on one motor, princing the ft per may at ma level with a sealing of \$4,000 ft. It is out-At present the place is at Mindal Fuel, N. Y., from

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Send	# ft.	
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tees of wings (and alternace)	1495 vo. ft.	

13.500 De

Record German Lightniane Flight Some of the observators has all this Nebbulane are as fel-

International Air Mail Rate Conference W. Irring Glores meets assessed Perfector general, and Espece B. White, expensionless of ferrage made, will repfar Sept. 1, 1827, by the Leterational Boson of the Uni-Tuesdy-free considers or mane, signatury to the Universal The declaims of the conference no doubt will result in

Seck Camplete Harmonication

Menon encoursed if it about to set air seel service among

This will be the fifth occasion upon which Mr. Glover will



PRACTICE WHAT YOU PREACH - USE THE AIR MAIL

International Aviation Peace Jubilee Draws Large Attendance

Stanting, Parachate Jumping and Air Roces Make Up Interesting Program

THE RESIDENCE AND ADDRESS OF THE PARTY AND PARTY AND PERSONS ASSESSED. port near State Ass, talk), drew at management of some From the court of view of the specialist, thrifts without number were provided by ident prints. Our or the carstandage therefore of the most was Level N. B. Dodges, Nam. offer leaving a place at 3000 IL, before opening his obstater, serond; Lee Nomes, thind Palloco stralling was non by Perrit Chart, Lee Brass Doed stock leading was by Judy Frys, Long Brook, first Bonberg contest was by J. E. Byer and Lt. E. C. Han Fellors min Jenny plane man, was by Art Gorbel, Santa

The Plying Juleice was formally opened by the served of plane is the edge section, and to be the NACA No St.

Transfer-Tablet, for wing monophysis. of this place was made quite on common away to the feet

As a part of the program two sirplanes of sorel design tion of speed and per, attracted strains to be access an veloped by Frederic Tabeld, an Anathun constyrence on given Budi by W. D. Trunning of Pres. Calif., and pilot-

It is a small Dylore place and a negative of a large eable twee motivalues that is new under construction. The



Marcinility) emergiane flows to finite Ann air west (sie hy. Hore) and will be confr for fight tons by August k, shortly after which the datase of the proposed long deduces flight will Another often ettracting considerable favorable attention to the dears of Millard Boyd. The erussel findam of this

the autremics of being very sarvestly indeed. The very Select Site for Canadian Memorial The following representatives of the Domeston of Canada

Col. M. C. Oshere, O.M.S., Department National Deferen-Ottown; Erred M. Scennell, P.C.I.S., Assetut Deputy

tare, Learning of the Domanice of Canada, Washington. European Air and Railway Tickets

A report section by the Department of Commerce Sect. International Chamber of Commerce, made May 7, 1807, in

The Stout Twelve Passenger Air Transport

Built Entirely of Duralumin, is Powered by Three

the development of eviction and the Famil plane. The Stout designed for arrive work. It is built suffrely of metal hav-

below the wings.

Warr of Multi-Sour Consequence critative costing it med, the Perl scorpery distancy that All notions are tample in outline and only to report. It is and that some word in the place can be supported without

It is about insentile to highle a thick way without and angle without fighter. He are of the vivo as structure, the

The freeless is both up of tensorous buildands with the engraphed covering riveted to the cutoids. The calife, which on all the madern conveniences, is 5 ft, back, 15 ft, long

Engines and Has Cruising Radius of 500 Miles EVOLLY EXALESISO the commercial possibilities of our- and 40; it, wide, with the interior devided into five securate heard entiring the savigeting maraments. The throttle and ignition controls are mounted on a panel at the sender



The main colors in located immediately believe the wine



PRACTICE WHAT YOU PREACH - USE THE AIR MAIL

on in the colden women. The structures of the toll, which are of conveyable metal, persons make springs. Asset when it excepted by a laws The three regions are fed by provity from tanks in the wines. Over 200 ml of fact to cerried strong a mass of

everyord with inertia sturiers, ma be operated independent Fer night flying the plane certain the standard red and steen naviestine lights and also a twic of morehholds, broated naire the way tipe. Electric lights operated by a storage



beliery are previded as all cabino Hage Speed Stiffing tipod ... 50 Rodins of Crusting Article ... 500 mt. - 5 Guulier Orparity 250 mil Heirks of Colum

Two New Caterpillar Club Members The Debthopic National Goard Air Service were beauty of at least two members of the foreign Outervillar Clab. Cope. 1130 Observation Servation, 48th Air Custo Delivies, Colo. they had been relation full from an affirmed of \$000 to an a prest of the colleges of one of the water. Both force within a few lambed such of their plane.

Exports Increase for First Quarter Experie of severely, surpline engines and parts, other than

Were of pilers' empariment attaining sugar seminals and medigating In narrot over the corresponding period of 1905, at which NATIONAL ARE RACES SPON AND WASH SUPPLED IN



trass-Atlanta Folkio monoplass "America" of ter g had been healed



ABOVE: A Denier Wil Free best Captes F. Y. Caresey, Beijsh aireas will us a place of the type on be Europe to Austria China.

BELOW: Mps. J. Dys Alexander choiceasing the 100th Englis-





to P. In a team form of the Version of Version Most of Version







Descriptive Notes On the Ford Tour Planes Wright Whirlmind Engines, Metal Propellers, and

Wheel Broke Equipment on Majority of Entries

was render to machine in normous Educator Yours. They that and named plants suspectively. - payered for me arrowsed regime. In each case it was the Wright Whithead equipped with a nated propeller. The and in the town. It seems that stood column we recreasing so facur, open cockyfin heng on soly the Weste, the Engle racks, and the Patesire Mulwise, Monophates with some cantilener wings, set at the top of the fincings above a slowed when here been increasing in negatiably in the past year. the record backupy is coestration in a wolfed start forlarge with weeder wage, and all-costs, folips covered ted

surfaces. A simple bey bee new houses standard provides in

Vishear. Is landing over construction the trend in toward

a water treed, also shock absorbers, and subspendent wheel

Recept for measures reforments to design most of the

of controlers who had entries in the first reliability turn in 1925. The entry of the Arral Service Corp., the Manrapy, Ja., is the mostless point that was need to IRCS. In faished thred this year while is 1925 if had a needed econ-





The Sticage-Develop that compared in the First Tree PRACTICE WHAT YOU PREACH -- USE THE AIR MAIL



On Pine True. Had the place been competing it

and the other by a Rison. A Worn fitted with a Principle Comings states was entered in the toor but did not compete The West Ton is a visit increasing over the appropriate Way es madels both in appearance and perferences. The londsig past in of orderly new deags, lating of the V type onwork letter votes in obtained. A slight change in the cort-B is printered that raider of the Alexander Early, rodo completed the true as contestants. One was delered at

noon equipped with a William's organe, and is a special now throughout. This plane made the heat firm at the same Wisrlend and the OXS models in much the mass though larger sagine. The trend of the V-type leading goer has been ingreened resign ted profuses ashelled at fired increased and coving channel to grey the place a peaker expension and higher efficiency. The Error rates, the Whirleful sormed Broarbay ha unity the Mi powered by a M engine In appearance the Brongloom to very electer to the NT-P, until by Colonel Lindberg's on his trans-Atlantic flight. The main field bank is replaced by a passenger celes, the gifet moved forward, and the eliment released to the way true. The ways area



NATIONAL AIR RACES, SPOKANE, WASH, SEPT. 22, 24

ter the Reliabeley Tree. Then place was designed princip-The cockrolt is must believed the most set. In the both speed trials the Melberg was seemed with 1777 to p.h., our

Three mersphas, want of the Foot Tree. the lower. It is a first presenger job with steel formings,



PRACTICE WHAT YOU PREACH -- THE THE AIR MAIL

Streen-Datroter are very sentier. The develops, tail year faces, and kinding gaze are almost electron), except that the

Plane and Liner Mail Service Proposed Assertion to Second Assistant Parlmenter Green! Govern For nearly two very the Post Office Department has been nearly with fancour-dectard latters and percenture. The Dr.

Another secuntified under confdendes by the Donor

her on official

Pennsylvania Air Roard Annainted as Penergiranis's first State Accounts on Commission. The Public Service Communicati, Marier John S. Dwein, reseconddichia Chasby of Commerce, Mayte Charles J Biddle, for-

Gates Flying Circus Will Conduct School The Saint Firther Corns and Aviation Co. that for the put right years has mediated exhibitors throughout the United States, have opened a school fo artistion at Teles-Stalent entiting for the cause will resets intracted include ground work, solual reporting, rebuilding, righting The Constitution will be attached to the Department of

Many Air Feats Performed at McCook Field McCook Field, Dayton, G., which for 12 years was the Schroeler, then shird test price at the field, reade an altitude

Sect. 28, 1921, Loui, John A. MacCounty sheshol 27,500 Jone 13, 1922, Capt. A. W. Skewers sands a mound warm Many weight correspondence were established by Lieut assurfaced Sold from draw to deck across the conclus-Time James Deckids, who applicably set a record for the fight, was the Schneider Cop surplus mer is 1915. He

cebile loca, a feet never before accomplished In Days of Old



situation in the Eventyment of Conserves resultifiest. Real

NATIONAL AND RAPPS SHOWARD WASH SEPT. 25 M.

"Foreign Afronalitical News Notes 4 By Special Arrangement with the Automotive and Transcontinue Devisions

Air Services Teaching General

The laws topdate the Green Detrot are substitled, at All the lanes are engineed with planes of the enclosed ento Sarie have the Foliar (Dented-Medics) motophese, and also the Genera Dornier planes, made at Frederichelele. The live which is below shorted to Liver will not the Trench

Relation Assistion Community Makes Report

The Socials Accorpts Delps & Contractions Assessed nemni report for the year 1900. They report total nexts of year 14.800,000 fearer, and liabilities, including market the Government has nathering an expenditure of 3,000,000 from on these plane. The total output for the new is unables forward the proporation of a divines for the building of artistics engine. They sective theses to

recommence 2s applied on during 1907 Dutch Parliament Appreces Sebuity

The subsidy agreement between the Dutch processed and in its mosest form by the First Chamber within the care februe, it is believed in The Hages. The object of the new between the Netherlands and other countries through the

Besel Field Equipped for Nicht Flying Although a regular night air service may narmr be insidu-

Once the nigrotone has found the field, suggests must be so us

All expend obstacks on or near the Critic field here been of red lights placed at autorals of from 50 to 180 modes. Proper from a funding taken often at which the secure owner.

May Consert Evere Field into Airport

A project for transferring the Deposits Ariation Field, at instrument, and a benoon light with a critica of action of office, and followings and followers stations will be excewill also be restabled, replacing the persons tradellations which have an insufficient range. The Bernoul-London are result will also be marked by lights for night transition.

Congratulations, SMITH AND BRONTE!

A NOTHER winning combination, you two pluck, courage and determination, and these

Though your Travel Air monoplane was but an experimental model of a stock plane, and was not elesioned nor built for such a terrific test as a flight to Hawaii from the mainland, and though we armte and advised you conjust making the attempt in that particular Travel

Air, you did it against baffing odds,-fog and other had weather conditions And when, on your first attempt, you came back with a cracked wind deflector, you landed that termendous load without injury to the ship. That took real flying, Smith, and a good plane.

So, Smith and Boonte, we say again,

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Instruction From the Master Pilots of Gates Fiving Cleans EF THE LENIOR MOUR OR COMPLETE COMMISS. LEN TOTICS FELL Fast ground reliefully modelle in minimary estual reservey, or justice, Superiorest of Commune Laws, Seasons Tactor of Com-legister, regular, mades such in our way street, metanticary, new justices, feeding, professional and communications.

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IVAN R. CATES, Course Monage 149-150 MAIN ST., LODI, NEW JERSEY

July 25, 1922

scred with the disner, but we trust they are so less then

"Bertaud Picks Hill for Flight to Rome" This record over all loan dictaous Status we have been ex-

crowble of serman more than ten during flight. In feet we

with a thrush in decrement mouth without developing shader abuse in "this stretces become

Menicipal Air Leve Lieune Fees

International Air Laws Covided Pilote Ann Consisting Air Eastein

Southern Stationer Airest Official

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